

# **What does FM Mean?**

*Are we only looking at  
a partial enterprise  
wide solution ??*

# The Challenge we face

## DECISION MAKERS

### USERS

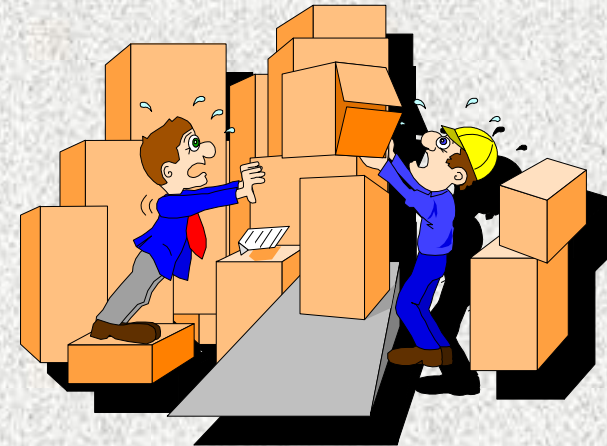


Information systems don't reflect the real work environment or provide the right information



Business information is not integrated and has little decision support capability or credibility

### DEVELOPERS



- Problems understanding the Complex Business being supported
- Clouded big picture (vision) and approach

# The Complex Business we support

Real Property Management and reporting is driven by the **53** legal provisions and statutory requirements:

**26** - United State Codes

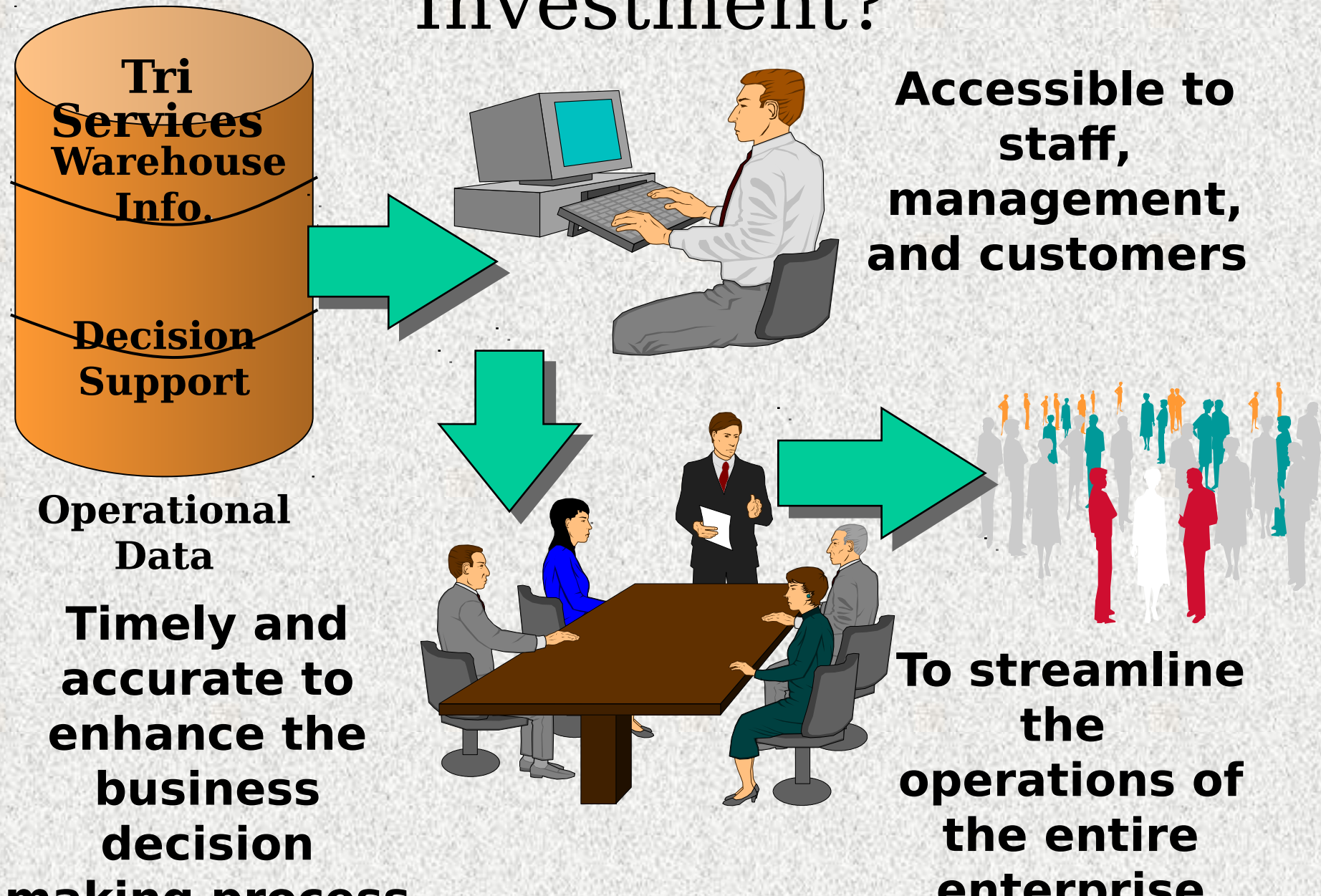
**18** - Executive Orders

**09** - Acts brought into law





# Are we after the Return on Investment?



# Then we Need a Business Model !

Is it the 26 Entity Sets of  
TSSDS and TSFMS with a  
conversion on AEC CADD?  
Or Something else?

# Navy Installation Management Accounting Project

Core Business Function	Airfield Support	Seaport Support	Other Mission Support	Community Support (QOL)		Facilities Management		Public Safety	Command Support
Sub Function	<b>Air Operations</b> Airfield-Logistics AT Control Aviation Fuel Support Ground-Electronics T-Line/Airfield Facilities	<b>Port Services</b> Berthing & Hotel Services Port Logistics Port Operations Center Tugs & Craft	<b>Misc Support</b> Cemeteries Military Banking Facility Mobilization Museums Health Care Support Retail Service Support Commissary Support	<b>MWR</b> Mgt Support Cat A Activities Cat B Activities Cat C Activities	<b>Child Dev</b> Center Care In-Home Care	<b>Utilities</b> Cable TV Chiller Plant Electric Gas Other Pneumatic Power Pure Water Sewage Steam Water	<b>PW Management</b> Mgt & Admin Installation Plans-and Engineering Real Estate Mgt	<b>Force Protection</b> Disaster-Preparedness Guard/Security/Traffic Law enforcement/Crime prevention	<b>Command</b> CO/XO/Admin Chaplain Svcs G&A Legal MILPERS Mgt Postal Ops Public Affairs
	<b>Other Air</b> Auxiliary Airfield-Support Cargo Handling Crash &-Rescue Passenger-Terminal Ops Weapons	<b>Other Port</b> Degaussing Sea Air-Rescue Spill Response Weapons		<b>Shelter/ Subsistence</b> Bachelor Quarters Contract Berthing Galley	<b>Family Housing Support</b> Management &-Operations Maintenance Minor Construction-& Major Repairs Police & Fire-Protection	<b>Facility Maintenance</b> CBU/1st LT/ Self-Help Dredging Emergency/Service Maintenance Minor Construction Preventive Maint	<b>Transportation</b> Mgt/Admin Railroads Cranes Vehicles GSE/MHE Construction Other	<b>Fire and Safety</b> EM Response Fire Protection/HAZMAT Centrally Mgt Safety Prog/NAVOSH	<b>Resource Management</b> CIVPERS Mgt CIVPERS PCS Financial Mgt Intra Station-Moves
				<b>MILPERS Services</b> Ceremonial Guard ESO/Campuses Pay & Personnel Support Restricted Barracks	<b>Family Service Center</b> Counseling Services Family-Advocacy Program Education/RAMP/TAMP	<b>Building</b> Janitorial Pest Control Refuse Collection/Recycling	<b>Environmental</b> Clean-up Compliance Conservation Pollution Prevention		<b>Supply</b> Inventory Control Mgt & Procurement POL Mgt SERVMART Warehousing
				Health Care and Retail Services are generally not funded by the installation. Any support provided is included under "Other Mission Support."		<b>Grounds Maint</b> Grounds Maint & Landscaping Street Sweeping & Snow Removal			<b>Information</b> ADP Audio/Visual/Printing Base Comms



# Navy Business Perspective ( **Shore Station Management** )

- IMAP model includes:
  - 7 Core Businesses -- i.e. Facilities Management, Public Safety...
  - 24 Functions within Core Businesses  
i.e Core Business: Facilities Management  
Functions: Utilities, Facility Maintenance
  - 105 Sub Functions within Functions  
i.e Function: Facility Maintenance  
Subfunctions: Service Mtn, Minor Const.

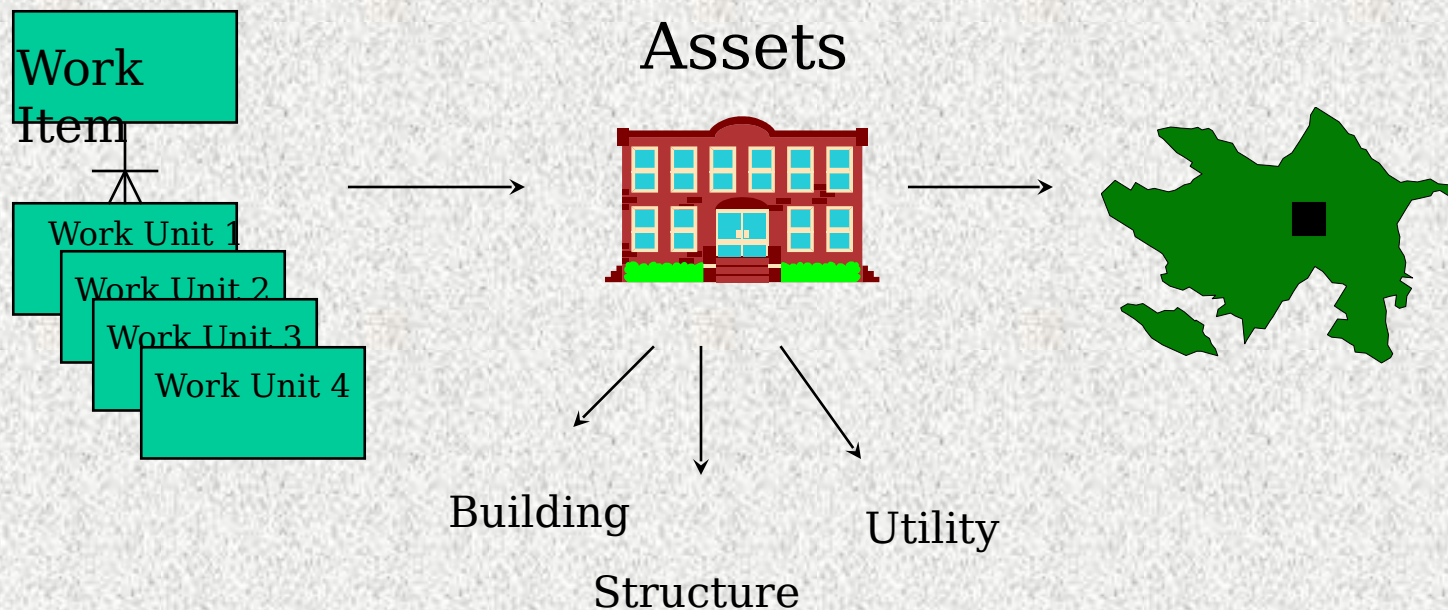
# IMAP Model

## Definitions

- **Core Business Area** -- An aggregation of related functions into a major area that produces the principal products and services directly supporting the command's mission.
- **Function** -- A major process grouping made up of subfunction components. A function produces a related set of products and services.
- **Subfunction** -- A grouping of activities into a process that produces products or performs services. A subfunction is related to ONLY ONE business area and function.
- **Activity** -- The actual work item consisting of discrete tasks performed in producing and delivering products and services.



# What are we all trying to Manage?



Should it be process driven to align the cost of doing business  
09/12/16

# **Is this our Purpose ?**

- **DOD wide approach to Installation Management**

- Then we need a published Structured Business Model

- **Improve managerial Decision Making**

- It should be process driven Information

- **Accurate consistent Cost Tracking**

- Apples to Apples Comparisons

- **Meaningful comparison to Past Performance**

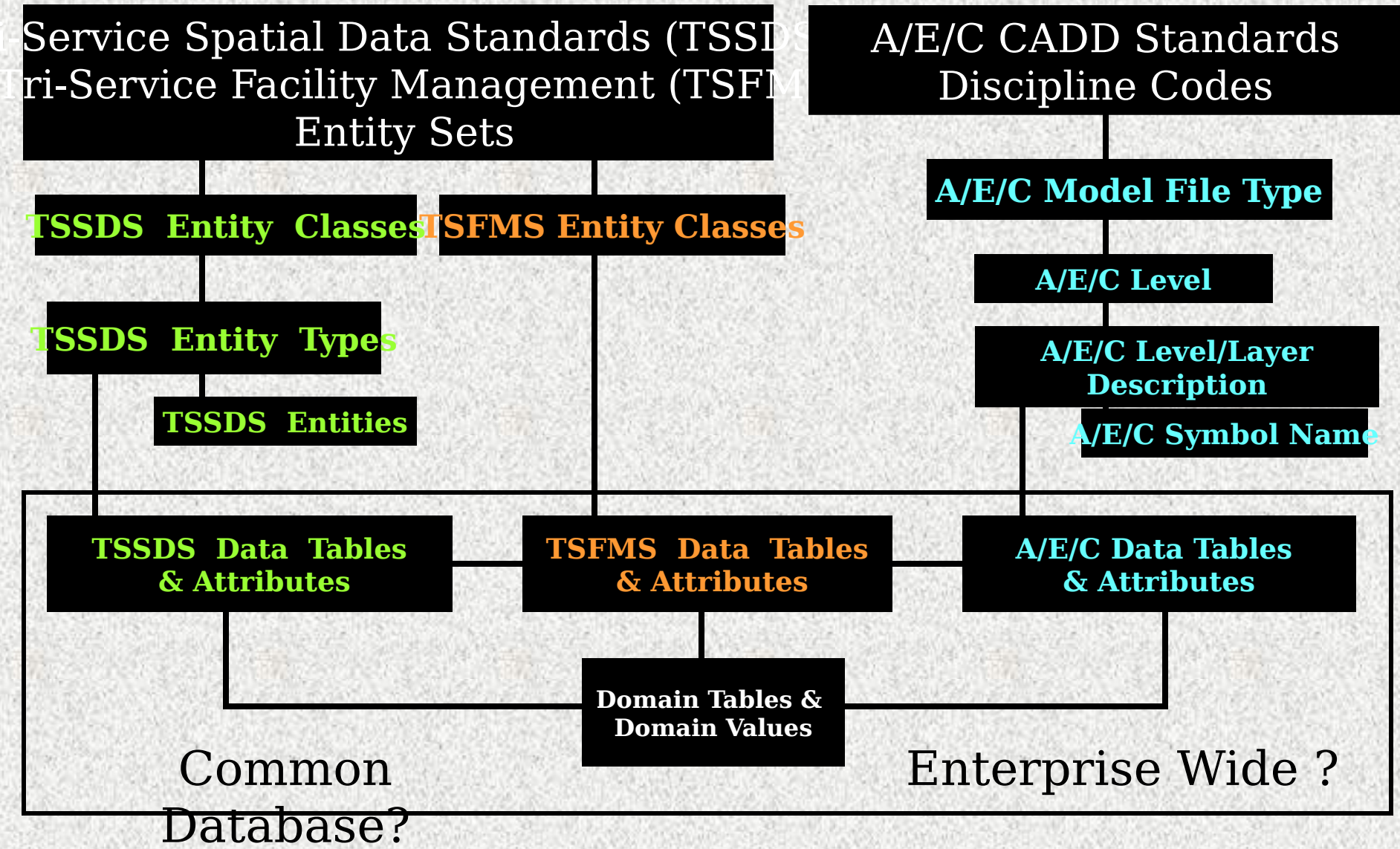
- Metrics based on Readiness or Effectiveness

- **More efficient use of Resources**

Can our current approach  
support this effort ?

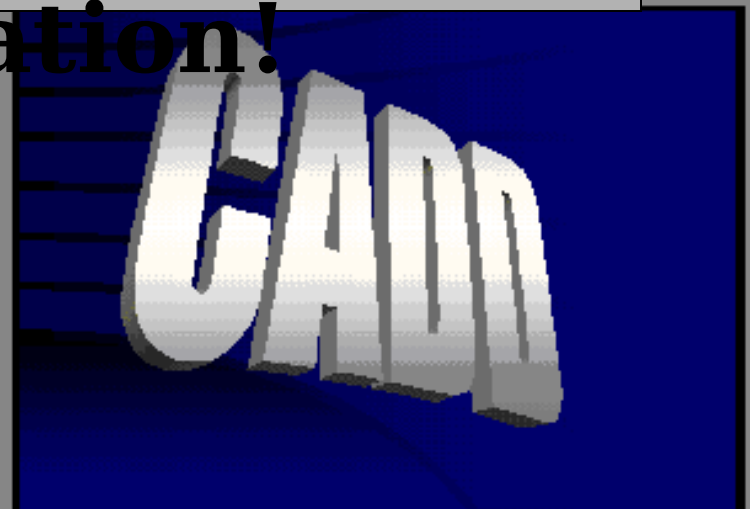


# Proposed Tri-Service CADD/GIS/FM Standards Development Model





**We need to Think  
Integration!**



Next questions ?  
Where do DOD users lie on  
the path of Integrated  
Information evolution?

Where do we want to be?



# User Population vs. Operating Environment

Environment

Progress

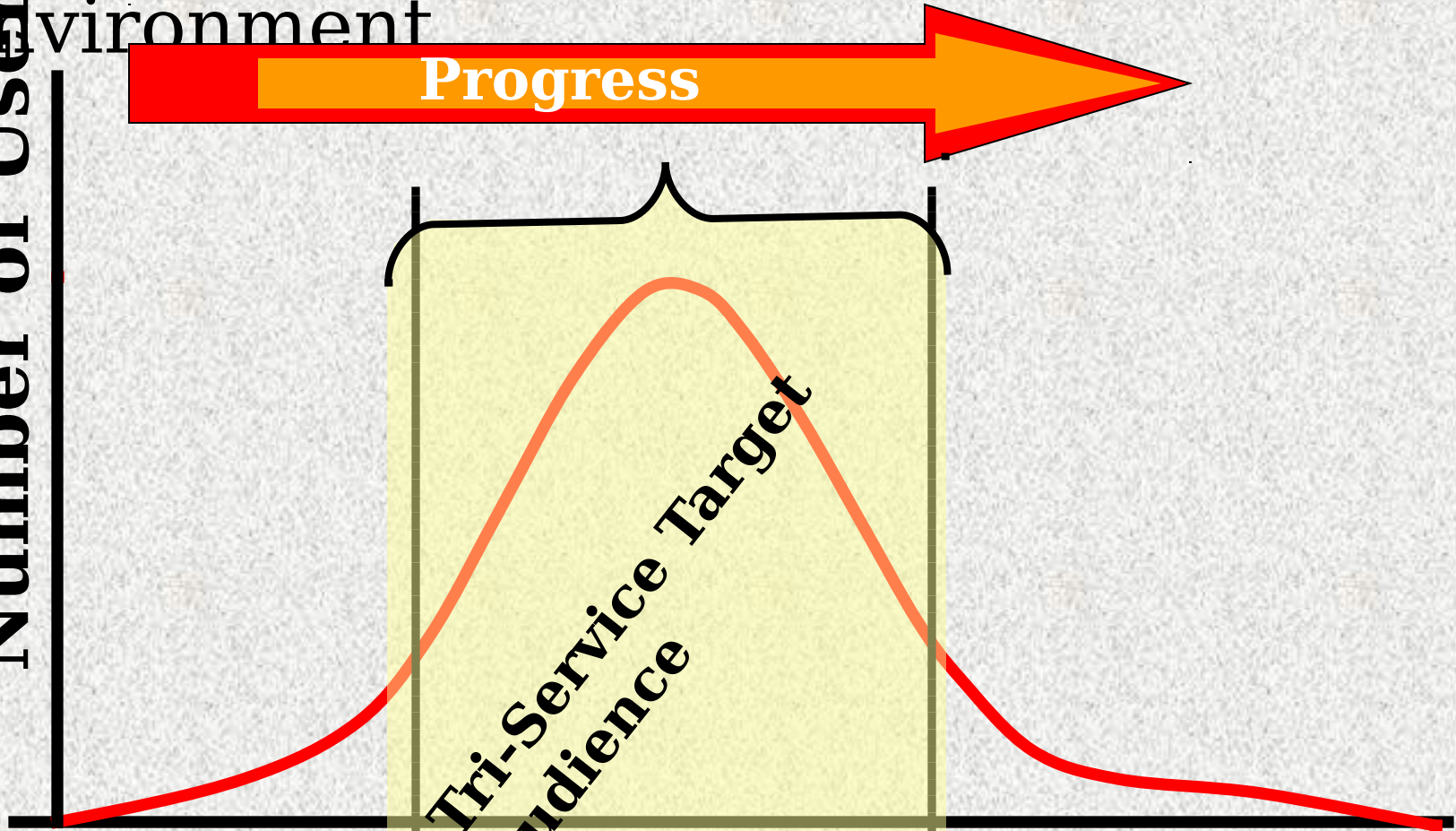
Number of Users

Tri-Service Target Audience

Manual

Automated

Transactional

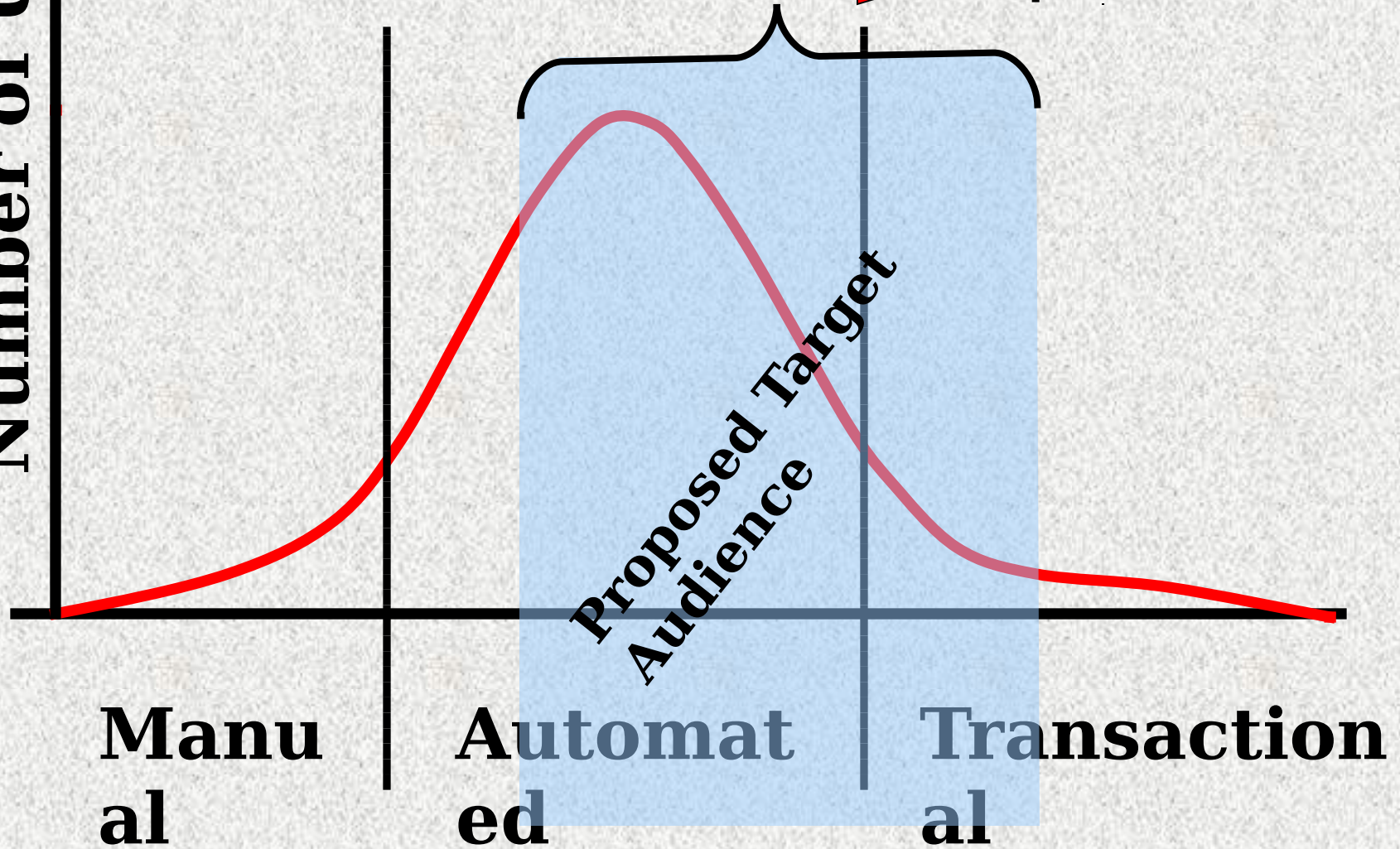


# User Population vs. Operating Environment

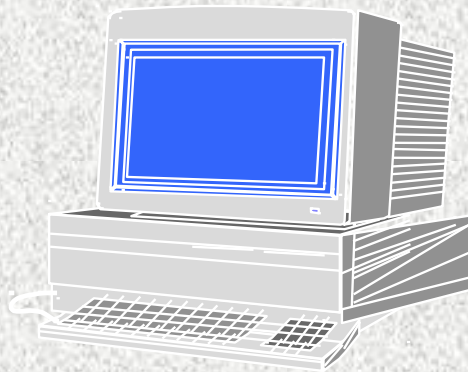
Environment

Progress

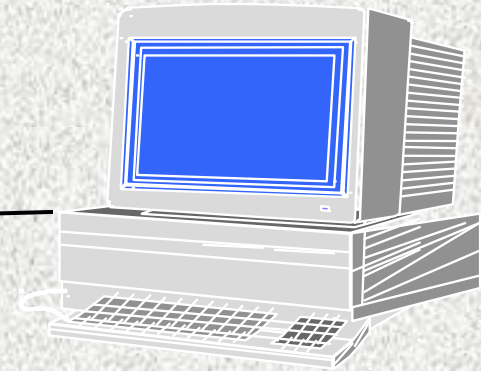
Number of Users



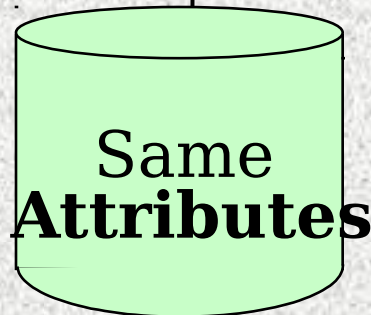
# Should this be our Target Architecture



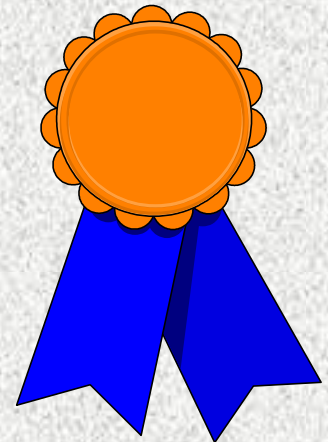
Any Non-Graphic  
System



Any Graphic  
System

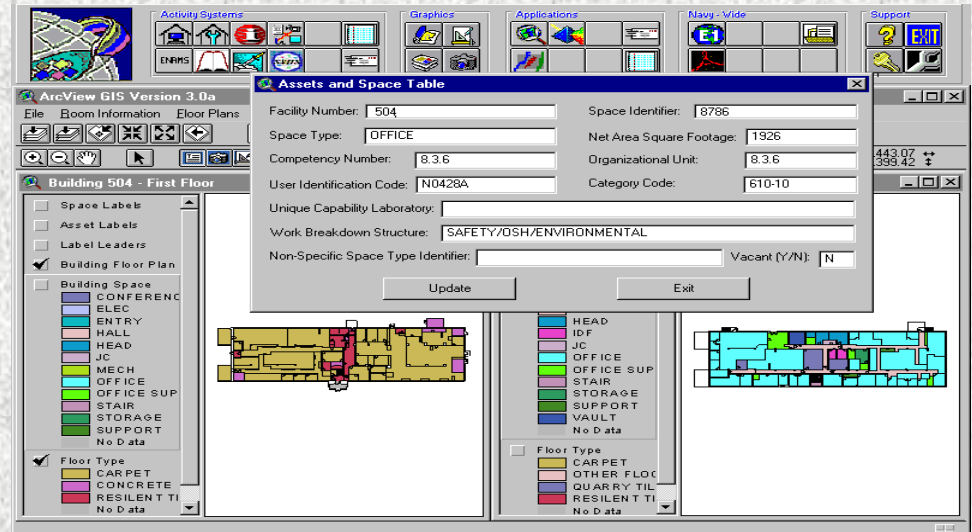
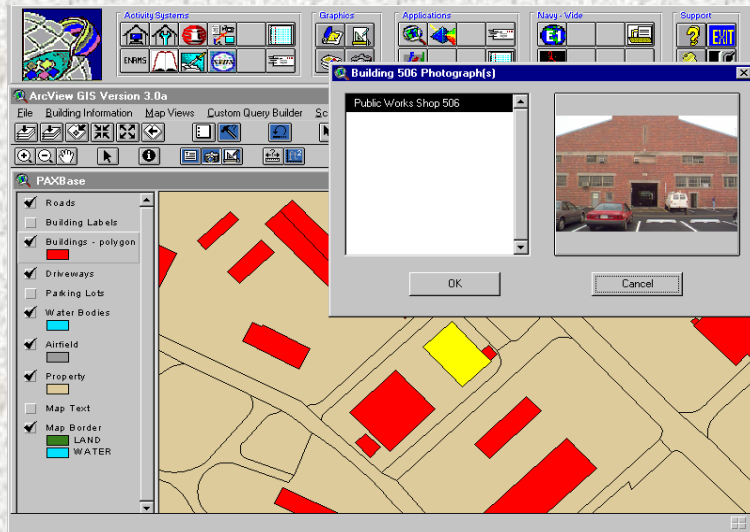
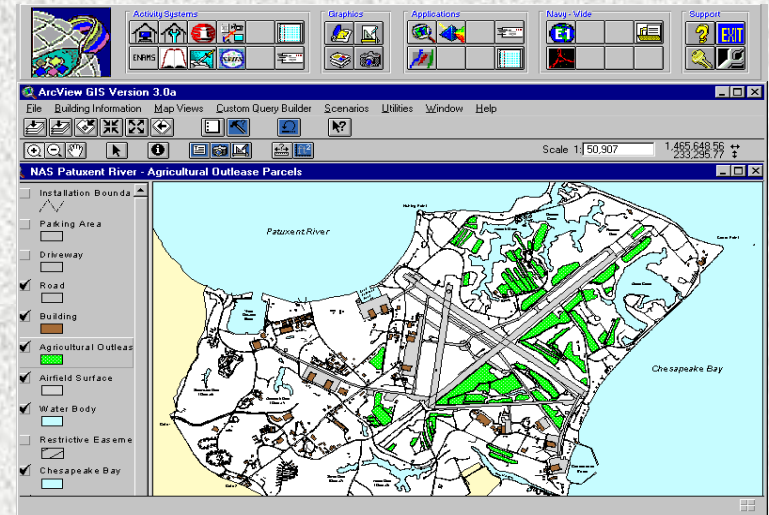
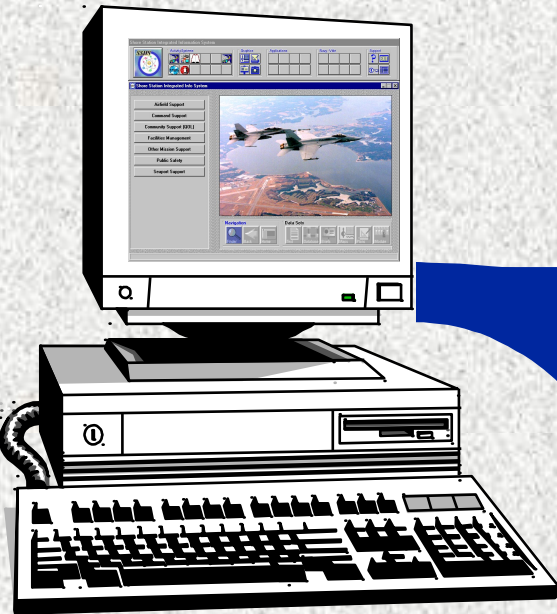


Same  
**Attributes**





# Desktop Integrated Information



**Providing Credible Decision Support**

# Let's Recap

- Why Should we be moving toward an enterprise wide transactional solution?



# Typical non integrated Characteristics

- Too expensive to maintain
- Seldom is it up to date
- Unreliable as a decision tool
- Unable to provide Spatial and graphical analysis functions to the rest of the Enterprise



# Enterprise Integrated Characteristics

- Attribute updates are automatic
- Data integrity is systematic and quantifiable
- Spatial analysis functions are available to non-GIS applications
- GIS and CADD along with other data provides analysis to the decision-maker

# What is Next?



- How do we resolve this dilemma?

Do we:

- Fix the limitations in the Tri-service model and let technology catch up?
- Let the model serve current technology and write custom applications to bridge the gap between GIS/CADD and a transactional data model?
- Build an interim model with hooks that we can connect to the transactional model?

# Based on Our Current Proposed Approach

**Installations are now, or will soon be torn  
between:**

- Tri-Service Standard compliance,
  - based on-
  - COTS Application constraints,
  - OR -
- Satisfying the Business Requirements



# What do we need to do?

- Refocus the FM Task Group effort
- Decide on what Model or combination to use
- Set priorities based on Corporate knowledge
- Use the Balance Score card approach
- Look for the migration path on needed platforms to support our efforts

# FM Task Group 2 Years old

- It has set Priorities for FM ?
- Is that really all we want ?
- Time to refocus on more discrete task
- FTAG and EWG responsibility

# Business Process or Data Model?

- Technology driven?
- Process driven?
- Need to set a Migration Strategy?
- It is a FTAG and EWG responsibility



# Recommendations

- FM needs a Business definition (FTAG/EWG)
- Look at the Field Working Group Structure
- Define specific task groups for each business area as recommended by the SOTG
- Use the corporate knowledge of the Center Staff, FWG, FTAG and EWG
- Hire experts if that is what it takes